

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33**

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated.
Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or feet RVR.

AIRPORT ID ARR	PROCEDURE NAME RNAV (GPS) RWY 33	ORIGINAL/AMENDMENT 2	CITY CHICAGO/AURORA	STATE IL
AIRPORT ELEVATION 712	TDZE 705	SUPERSEDED ORIGINAL/AMENDMENT RNAV (GPS) RWY 33 1B	DATED 09/08/2022	MAG VAR 1W
FACILITY RNAV	COORDINATES OF FACILITIES	ACTUAL EFFECTIVE DATE 2 OCTOBER 2025	REQUIRED EFFECTIVE DATE ROUTINE	EPOCH YEAR 1990
			CANCEL/SUSPEND	

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
JOT VOR/DME	IAF	BOBBB		TF	FB	1.00	346.18	4.35	2600
FIEND	IAF	BOBBB		TF	FB	1.00	268.65	5.44	2600
BOBBB	IF	RIESR		TF	FB	1.00	327.80	6.01	2300
RIESR	FAF	RW33	MAP	TF	FO	0.30	327.75	4.81	
RW33	MAP	1042 MSL		CA			327.75		
1042 MSL		UCORO		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW33

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 DIRECT UCORO AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- PROFILE STARTS AT BOBBB
- FAC: 327.75 FAF: RIESR DIST FAF TO MAP: 4.81 DIST FAF TO THLD: 4.81
- MIN ALT: BOBBB 2600, RIESR 2300
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 337 HAT: 0.91 GS ANT:
- MIN GP INCPT: 2300 GP ALT AT PFAF: RIESR 2300 OM: MM: IM:
- GP ANGLE: 3.04 34:1: IS CLEAR 20:1: IS CLEAR TCH: 48.0
- MSA FROM: RW33 2600



PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -23°C OR ABOVE 54°C.
 CHART NOTE: CIRCLING RWY 18 NA AT NIGHT.
 CHART NOTE: FOR INOPERATIVE ALS, INCREASE LPV ALL CATS VISIBILITY TO 1 SM.
 CHART SPEED ICON IN PLANVIEW AT JOT: MAX 240 KIAS.

ADDITIONAL FLIGHT DATA:

HOLD SE, LT, 327.72 INBOUND.
 FAS OBST: 870 AAO 414254N/0882515W.
 CHART 1058 TOWER (17-002495) 414216N/0882602W.
 CHART VDP AT 1.23 NM TO RW33.
 WAAS CHANNEL # 49105
 REFERENCE PATH ID: W33A
 CHART CIRCLING ICON.
 LTP HAE: 179.9 M

MINIMUMS:

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: NA STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE.

<u>CATEGORY:</u>	<u>A</u>			<u>B</u>			<u>C</u>			<u>D</u>			<u>E</u>		
<u>FINAL TYPE</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>												
LPV DA	1042	1/2	337	1042	1/2	337	1042	1/2	337	1042	1/2	337			
LNAV/VNAV DA	1140	3/4	435	1140	3/4	435	1140	3/4	435	1140	3/4	435			
LNAV MDA	1140	1/2	435	1140	1/2	435	1140	3/4	435	1140	3/4	435			
CIRCLING	1200	1	488	1200	1	488	1300	1 1/2	588	1340	2	628			



CHANGES - REASONS

1. TERMINAL ROUTES: ADDED SEGMENT "FIEND" TO "BOBBB" - ATC REQUEST.
2. PROFILE LINE 2: CHANGED PROFILE STARTS AT "JOT VOR/DME" TO "BOBBB" - ATC REQUEST TO ADD ANOTHER FEEDER.
3. PROFILE LINE 5: HAT CHANGED FROM "336/.93" TO "337/.91" - TARGETS 7.4 EVALUATION.
4. PROFILE LINE 7: GLIDEPATH ANGLE CHANGED FROM "3.00" TO "3.04" AND 34:1 CHANGED FROM "IS NOT CLEAR" TO "IS CLEAR" - TARGETS 7.4 EVALUATION.
5. NOTES: CHANGED FROM "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C OR ABOVE 54C" TO "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV - 23C OR ABOVE 54C" - NEW MONTHLY TEMPERATURE AVERAGES.
6. NOTES: ADDED "CHART SPEED ICON IN PLANVIEW AT JOT VOR/DME: MAX 240 KIAS" - TO MEET SEGMENT LENGTH/ATC VECTOR CRITERIA/IAW 8260.19J 4-6-10.
7. NOTES: CHANGED FROM "FOR INOPERATIVE MALSR, INCREASE LPV VISIBILITY TO 1 1/4 SM ALL CATS, LNAV CATS A/B VISIBILITY TO 1 SM" TO "FOR INOPERATIVE ALS, INCREASE LPV ALL CATS VISIBILITY TO 1 SM" - TARGETS 7.4 EVALUATION/IAW 8260.3F TABLE 3-3-1.
8. NOTES: ADDED CHART NOTE: FOR INOPERATIVE ALS WHEN USING ORD ALTIMETER SETTING, INCREASE LPV ALL CATS VISIBILITY TO 1 1/8 SM AND LNAV/VNAV ALL CATS VISIBILITY TO 1 3/8 SM AND LNAV CATS C AND D VISIBILITY TO 1 3/8 SM - TARGETS 7.4 EVALUATION/NEW VNAV MINIMA/IAW 8260.3F TABLE 3-3-1.
9. ADDITIONAL FLIGHT DATA: CHANGED FROM "CHART VDP AT 1.28 NM TO RW33" TO "CHART VDP 1.23 NM FROM RW33" AND REMOVED "LNAV ONLY" - GLIDEPATH ANGLE CHANGED/LNAV NOTE NO LONGER REQUIRED.
10. ADDITIONAL FLIGHT DATA: CHANGED FROM "HOLD SE, LT, 327.72 INBOUND" TO "HOLD SE, LT, 327.67 INBOUND" - TARGETS 7.4 DERIVED HEADING CHANGE.
11. ADDITIONAL FLIGHT DATA: ADDED SURVEY NUMBER (17-002495) TO "CHART 1058 TOWER" -IAW 8260.19J 8-6-11.
12. ALTERNATE MINIMUMS: CHANGED FROM "STANDARD" TO "STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE" - ALTERNATE MINIMUMS NOT AUTHORIZED WHEN USING REMOTE ALTIMETER.
13. MINIMUMS: LPV VISIBILITY CHANGED FROM "3/4" TO "1/2" SM - NEW VISIBILITY TABLES.
14. MINIMUMS: LNAV/VNAV DA ALL CATS LOWERED FROM "1194/489" TO "1140/435" - TARGETS 7.4 EVALUATION/LNAV/VNAV CAN BE LOWERED TO LNAV MINIMUMS IAW 8260.58C, 3-3-5.
15. MINIMUMS: LNAV/VNAV VISIBILITY CHANGED FROM "1 1/4" TO "3/4" SM - NEW VISIBILITY TABLES/LOWER MINIMUMS.
16. MINIMUMS: LNAV CAT A, B VIS CHANGED FROM "3/4" TO "1/2", CAT D CHANGED FROM "1" TO "3/4" SM - IAW 8260.3F TABLE 3-3-1.
17. MINIMUMS: CIRCLING CAT D MDA/HAA CHANGED FROM "1320/608" TO "1340/628" - TARGETS 7.4 EVALUATION USING 3-ARC SECOND TERRAIN.
18. FAS DATA BLOCK INFORMATION: UPDATED CRC REMAINDER FROM "66AD6FD9" TO "F602EC35" - GLIDEPATH ANGLE CHANGE FROM "3.00" TO "3.04" AND FPAP CHANGED FROM "414717.1665N/0882935.6725W TO "414717.1660N/0882935.6705W".

COORDINATED WITH:

A4A
 ALPA
 AOPA
 APA
 HAI
 NBAA

OTHER: ARR ATCT, AMGR, ZAU, ORD APP CON

FLIGHT CHECKED BY

Digitally signed by
CASEY D HILL

SCOTT WIEBE

Jun 30, 2025

OFFICE

AJF

DATE

06/27/2025

DEVELOPED BY

Digitally signed by
JAMES ROGERS

JAMES ROGERS (PATRICK DAVIS)

May 01, 2025

OFFICE

AJV-A33

DATE

02/20/2025

APPROVED BY

KYLE THOMPSON

Digitally signed by
CASEY D HILL

Jun 30, 2025

OFFICE

AJV-A33

DATE

07/03/2025

TITLE

MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KARR
RUNWAY	RW33
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W33A
LTP/FTP LATITUDE	414602.6565N
LTP/FTP LONGITUDE	0882830.2985W
LTP/FTP ELLIPSOIDAL HEIGHT	+01799
FPAP LATITUDE	414717.1660N
FPAP LONGITUDE	0882935.6705W
THRESHOLD CROSSING HEIGHT (TCH)	00048.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.04
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1072
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER F602EC35

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02129
FPAP ORTHOMETRIC HEIGHT	+02129

